

Title (en)

IMPROVED METHOD FOR TRANSFERRING AN IMAGE ONTO AN OBJECT HAVING CURVED SURFACES

Title (de)

VERBESSERTES VERFAHREN ZUR ÜBERTRAGUNG EINES BILDES AUF EIN OBJEKT MIT GEKRÜMMTEN OBERFLÄCHEN

Title (fr)

PROCEDE AMELIORE PERMETTANT DE TRANSFERER UN IMAGE SUR UN OBJET PRESENTANT DES SURFACES COURBES

Publication

EP 1583668 A1 20051012 (EN)

Application

EP 03749400 A 20030902

Priority

- US 0327683 W 20030902
- US 32850202 A 20021224

Abstract (en)

[origin: US2004118508A1] The present invention discloses an improved method for transferring an image onto an object which has a surface that curves in two directions. After providing a source containing an image capable of thermal transfer, a target surface is chosen on the object and a chemical coating is applied. The image is then pressed into the coated target surface until the target surface is substantially flat and heated so that the image is transferred to the target surface. The coating allows the image to be transferred at a low temperature. In a preferred embodiment, after the source is removed, a second application of heat is applied to the object to drive the image into the object. A protective material may be positioned between the heating element and the image, especially before the second application of heat.

IPC 1-7

B44C 1/165; **B44C 1/175**; **B32B 27/00**; **B32B 31/20**; **B41M 3/12**

IPC 8 full level

B44C 1/165 (2006.01); **B29C 63/00** (2006.01); **B29C 63/48** (2006.01); **B32B 27/00** (2006.01); **B41M 3/12** (2006.01); **B41M 5/025** (2006.01); **B41M 5/52** (2006.01); **B44C 1/17** (2006.01); **B44C 1/175** (2006.01); **G03G 7/00** (2006.01); **B41M 5/035** (2006.01); **B41M 7/00** (2006.01)

CPC (source: EP US)

B29C 63/0073 (2013.01 - EP US); **B29C 63/48** (2013.01 - EP US); **B41M 5/025** (2013.01 - EP US); **B41M 5/52** (2013.01 - EP US); **B44C 1/1712** (2013.01 - EP US); **G03G 7/00** (2013.01 - EP US); **G03G 7/0093** (2013.01 - EP US); **G03G 15/6591** (2013.01 - EP US); **B29L 2031/54** (2013.01 - EP US); **B41M 5/035** (2013.01 - EP US); **B41M 7/0027** (2013.01 - EP US); **B41M 7/009** (2013.01 - EP US); **G03G 2215/00523** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2004118508 A1 20040624; **US 6835268 B2 20041228**; AU 2003268435 A1 20040729; CA 2511552 A1 20040722; CA 2511552 C 20111122; DK 1583668 T3 20121022; EP 1583668 A1 20051012; EP 1583668 A4 20080813; EP 1583668 B1 20120718; ES 2390873 T3 20121119; JP 2006512229 A 20060413; JP 4313316 B2 20090812; WO 2004060700 A1 20040722; ZA 200504951 B 20060426

DOCDB simple family (application)

US 32850202 A 20021224; AU 2003268435 A 20030902; CA 2511552 A 20030902; DK 03749400 T 20030902; EP 03749400 A 20030902; ES 03749400 T 20030902; JP 2004564697 A 20030902; US 0327683 W 20030902; ZA 200504951 A 20050617